Fig. 1

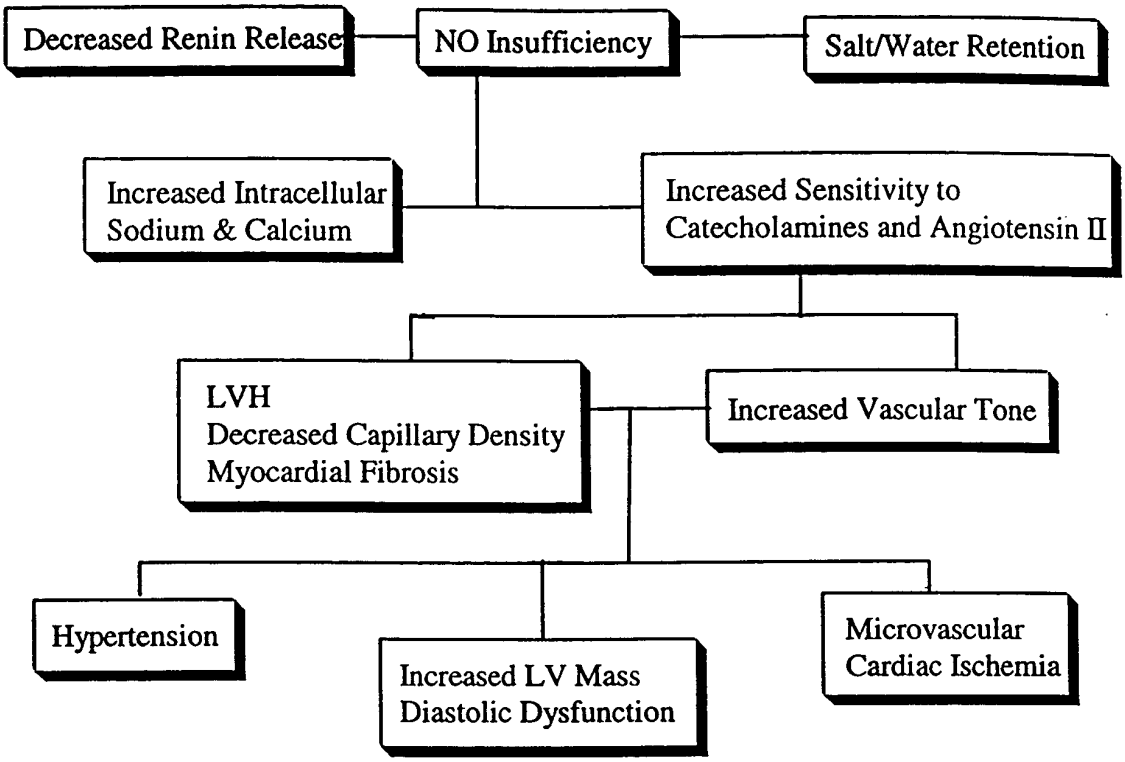

Decreased Renin Release
NO Insufficiency
Salt/Water Retention
Increased Intracellular Sodium & Calcium
Increased Sensitivity to Catecholamines and Angiotensin II
LVH
Decreased Capillary Density
Myocardial Fibrosis
Increased Vascular Tone
Hypertension
Increased LV Mass
Diastolic Dysfunction
Microvascular
Cardiac Ischemia

FIG. 2

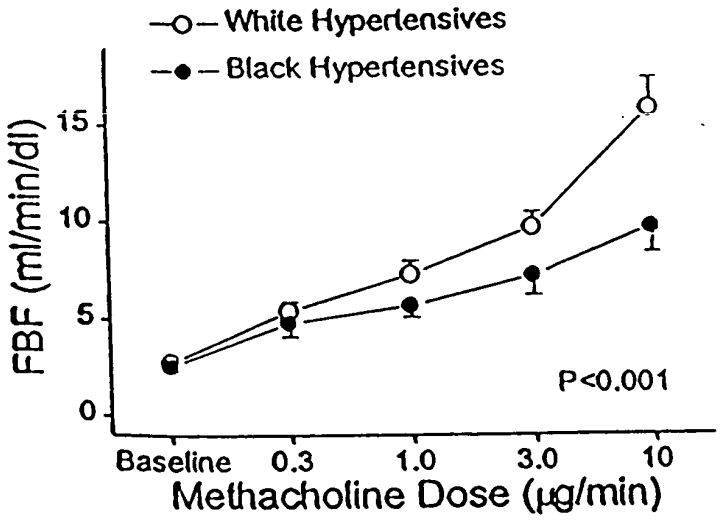

White Hypertensives
Black Hypertensives
FBF (ml/min/dl)
15
10
5
0
P<0.001
Baseline
0.3
1.0
3.0
10
Methacholine Dose (µg/min)

FIG. 3A

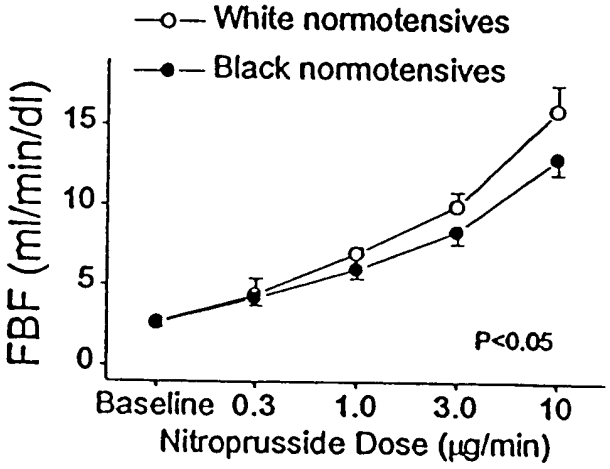

White normotensives
Black normotensives
FBF (ml/min/dl)
15
10
5
0
P<0.05
Baseline 0.3 1.0 3.0 10
Nitroprusside Dose (µg/min)

FIG. 3B

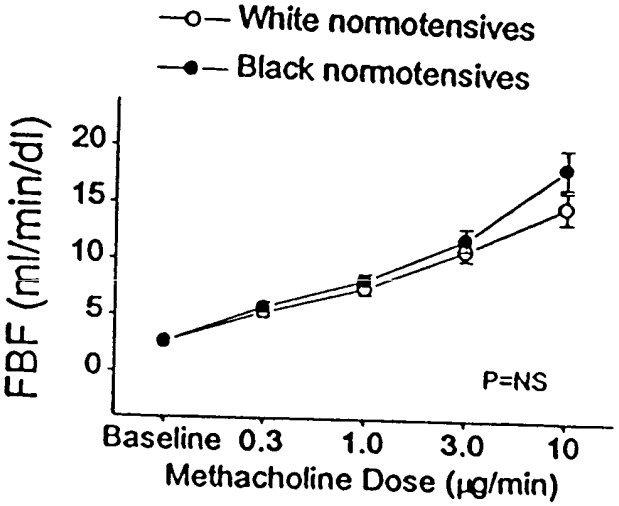

White normotensives
Black normotensives
FBF (ml/min/dl)
20
15
10
5
0
P=NS
Baseline 0.3 1.0 3.0 10
Methacholine Dose (µg/min)

FIG. 4A

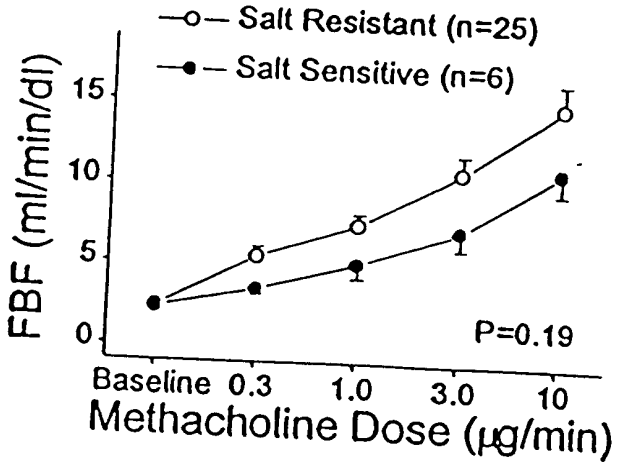
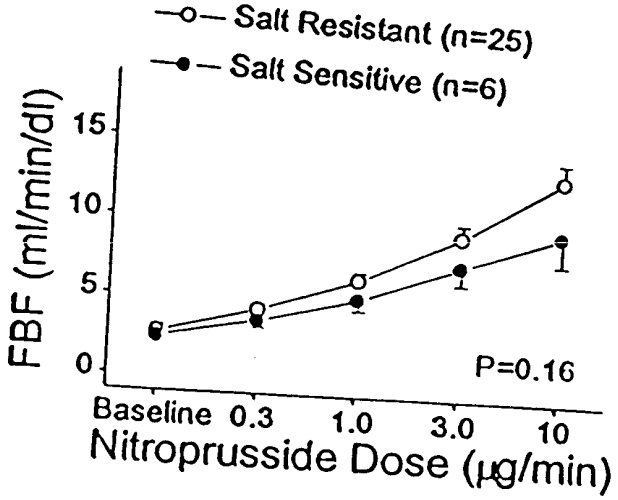

Salt Resistant (n=25)
Salt Sensitive (n=6)
FBF (ml/min/dl)
15
10
5
0
P=0.19
Baseline 0.3 1.0 3.0 10
Methacholine Dose (µg/min)

FIG. 4B


Salt Resistant (n=25)
Salt Sensitive (n=6)
FBF (ml/min/dl)
15
10
5
0
P=0.16
Baseline 0.3 1.0 3.0 10
Nitroprusside Dose (µg/min)